

ORIGINAL

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BOOK 5503

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

REMONUMENTATION

OF THE

CORNER OF

SECTIONS 15, 16, 21, AND 22,

TOWNSHIP 32 NORTH, RANGE 26 EAST,

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

Leonard R. Sandoval, Cadastral Surveyor

Under Special Instructions dated and approved May 23, 1986, which provided for the surveys included under Group Number 680 and Assignment Instructions dated July 31, 1996.

Survey Commenced September 10, 1996

Survey Completed October 31, 1996

INDEX DIAGRAM

TOWNSHIP 32 NORTH, RANGE 26 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 32 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the remonumentation of the corner of sections 15, 16, 21, and 22, Township 32 North, Range 26 East, of the Gila and Salt River Meridian, Arizona.

The sectional guide meridians, auxiliary bases and subdivisional lines of the township were surveyed by William F. Olver in 1992-93.

Responding to a memorandum from the Area Director, Navajo Area Office, Bureau of Indian Affairs, dated July 8, 1996, requesting remonumentation of certain corners that were destroyed on the Navajo Indian Reservation in the state of Arizona, the Bureau of Land Management has undertaken the remonumentation of the corner of sections 15, 16, 21, and 22.

The remonumentation was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated May 23, 1986, and the Assignment Instructions dated July 31, 1996, for Group No. 680, Arizona.

The identified corner was remonumented in its original position.

The directions of all lines were determined by direct hour angle observations on the sun, verified by the technique of differential positioning using the Ashtech M-Series Geodetic Positioning System, and refer to the true meridian. Distances and angles were measured with a Lietz SET4B, a total station instrument.

The mean magnetic declination is 12° E.

Remonumentation of the Corner of Sections 15, 16, 21, and 22,
T. 32 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">Restoring the survey executed by William F. Olver in 1992-93</p> <hr/> <p>The cor. of secs. 15, 16, 21, and 22, monumented with a magnet in a 1 x 1 x 2 5/8 ins. white plastic case, set 3 ins. below the surface of the ground, with the original stainless steel post, 28 ins. long, 2 1/2 ins. diam., found and returned by a Navajo Nation Tribal survey crew, with brass cap mkd. T32N R26E S15 S16 S21 S22 1992; and is accepted as the best available evidence of the position of the original cor.</p> <p>At the cor. point</p> <p>Set the original stainless steel post, 24 ins. below the surface of the ground.</p> <p>from which the original bearing object</p> <p style="padding-left: 40px;">The westernmost cor. of a hexagonal hogan, 26 ft. diam., bears S. 74 1/2° E., 2.71 chs. dist.</p> <p>and new accessories</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 45°00' E., 200.0 ft. dist., with brass cap mkd. T32N R26E S15 RM 200.0 FT TO COR 1996, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p style="padding-left: 40px;">The northwest cor. of the same hexagonal hogan, bears S. 77 3/4° E., 2.70 chs. dist.</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 45°00' W., 50.0 ft. dist., with brass cap mkd. T32N R26E S16 RM 50.0 FT TO COR 1996, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Deposit the original magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post at the sec. cor.</p> <p>Add the mks. 1996 to the brass cap at the sec. cor.</p> <p>Cor. is located in a recently graded area in the vicinity of a residence.</p>
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Remonumentation of the Corner of Sections 15, 16, 21, and 22,
T. 32 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>From this cor. point, the closing cor. of secs. 15 and 22, at intersection with the W. bdy. of sec. 10, T. 5 N., R. 10 W., Navajo Special Meridian, bears East, 20.21 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. T32N R26E S15 S22 CC T5N R10W S10 1992.</p> <p>From this same cor. point, the 1/4 sec. cor. of secs. 15 and 16, bears N. 0°02' W., 40.00 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. T32N R26E 1/4 S15 S16 1992.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The remonumented corner is located in a graded area near a residence, approximately one mile north of the community of Chinle.</p> <p>The elevation is approximately 5640 feet above sea level.</p> <p>The mean magnetic declination of 12° E. was derived from the United States Geological Survey computer program MAGPOINT utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.</p> <hr/>
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FIELD ASSISTANTS

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CERTIFICATE OF SURVEY

I, Leonard R. Sandoval, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 23rd day of May, 1986, and Assignment Instructions bearing date of the 31st day of July, 1996, I have remonumented the corner of sections 15, 16, 21, and 22, Township 32 North, Range 26 East, of the Gila and Salt River Meridian, in the state of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, assignment instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and in specific manner described in the foregoing field notes.

August 11, 1997
(Date)

Leonard R. Sandoval
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the remonumentation of the corner of sections 15, 16, 21, and 22, Township 32 North, Range 26 East, Gila and Salt River Meridian, Arizona, executed by Leonard R. Sandoval, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

AUG 22 1997
(Date)

Lenny D. Rawnikar
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 32 N., R. 26 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~